City of Milwaukee Health Department | Microbiology Division

Monthly Report

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MICROBIOLOGY REPORT: The February 2005 issue of Microbiology Monthly Report, Volume10, presents the laboratory diagnosis of some of the infectious diseases, the reference microbiology work done in this laboratory during January 2005 and new cases of syphilis in Milwaukee during December 2004. Information on the laboratory diagnosed mycobacterial infections in Wisconsin during that month is also included.

Legionnaires Disease (January, 2005)

No positive case detected.

Pertussis (Whooping cough, an update)

Specimens for pertussis from most clinics were directed to the Wisconsin State Laboratory of Hygiene (WSLH), in Madison, for Real-time PCR assay. During the month of January more cases were identified in Milwaukee County including the city of Milwaukee. The exact number has not yet been determined. The City of Milwaukee Health department Laboratory continues testing of selected samples for pertussis using culture and real-time PCR assay. However, no positive case was detected during January 2005.

Syphilis (January 2005)

Test	Number Positive	Test	Number Positive
RPR	0	FTA-ABS	4
VDRL	28	DARKFIELD	0

New Cases (Syphilis)

The Wisconsin Division of Health has reported 2 new cases (age, 18 & 35 years) of syphilis (early stages) during December 2004 in Milwaukee. Morbidity distributions of the disease reported in this and the corresponding month of the previous year are as follows:

New Cases of Syphilis (December 2004 and December 2003)

Stage	Number of Cases	
	December 2004	December 2003
Primary syphilis	0	0
Secondary syphilis	0	0
Early latent syphilis	2	3
Late latent syphilis	1	2
Total	3	5

Gonorrhea (MHD – January 2005)

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
46	0	0	0	0

Gonorrhea from Other Sources (January 2005)

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antiobiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
7	0	0	0	0

Isolates Other Than *N. gonorrhoeae* (January 2005)

Organism	Site	Number Isolates	Organism	Site	Number Isolates
Ureaplasma urealyticum	Genital	27	*Mycoplasma hominis*	Genital	4

Parasitic Enteric Pathogens (January 2005)

Age	Sex	Pathogen	Number Cases
54	M	*Entamoeba coli*	1
16	M	*Entamoeba coli*	1
19*	F*	*Giardia lamblia* *Entamoeba coli*	1
18	M	*Strongyloides stercoralis*	1
13	M	*Giardia lamblia*	1
14	F	*Hymenolepis nana*	1
22	F	*Entamoeba coli*	1
24	M	*Giardia lamblia*	1
5	M	*Strongyloides stercoralis*	1
13	F	*Blastocystis hominis*	1
17*	M*	*Iodamoeba buetschlii* *Entamoeba coli*	1
11	F	*Entamoeba coli*	1

*Dual infection

Mycobacterial Infections (January 2005)

Mycobacteriology laboratory is being renovated and not operational at this time.

Reference Cultures (January 2005)

Age	Sex	Site/Specimen Source	Culture Identification
83	M	Blood	*Streptococcus mitis sp/gp*
51	F	Peg tube abscess	*Rahnella aquatilis*
57	F	Spleen abcess	*Clostridium difficile*
15mo	F	Stool	*Yersinia enterocoliticia*
84	F	Blood	*Bacillus species*
84	F	Blood	*Bacillus megaterium*
24	M	Wound	*Bacillus sp NOT B. anthracis*
83	F	N.A.	*Escherichia coli*

Bacterial Enteric Pathogens (January 2005)

Age	Sex	Pathogen	Age	Sex	Pathogen
53	F	*Shigella sonnei*	3	F	*Salmonella poona*
7	F	*Shigella sonnei*	13 mo	F	*Salmonella gaminara*
3	F	*Shigella sonnei*	92	F	*Salmonella braenderup*
22 mo	F	*Shigella sonnei*	11 mo	F	*Salmonella typhimurium*
7	M	*Shigella sonnei*	27mo	F	*Salmonella java*
6	M	*Shigella sonnei*	31	F	*Salmonella enteritidis*
5	M	*Shigella sonnei*	68	F	*Salmonella typhimurium*
9	M	*Shigella sonnei*	82	F	*Salmonella enteritidis*
10	M	*Shigella sonnei*	53	F	*Salmonella enteritidis*
5	M	*Shigella sonnei*	21	F	*Salmonella oranienburg*
27	M	*Shigella sonnei*			
25	M	*Shigella sonnei*			
6	F	*Shigella sonnei*			
32mo	F	*Shigella sonnei*			
32MO	M	*Shigella flexneri type B1*			